

2015 ASEE Annual Conference & Exposition
Seattle, Washington
June 14 - 17, 2015

Systems Engineering Division (SED) Call for Papers

The Systems Engineering Division (SED) invites abstracts for papers, and proposals for full sessions, panel discussions, and innovative session formats for the 2015 ASEE Annual Conference, June 14 – 17, 2015 in Seattle, Washington. The SED promotes systems engineering education and systems thinking at all levels of education, and for different delivery modes including distance education, hybrid and traditional classroom delivery. The SED is looking for papers that address any aspects of systems engineering, including but not limited to:

- Approaches for teaching systems engineering.
- Collaborative efforts and initiatives with industry or government partners.
- Real-world systems engineering: Development, design, and/or implementation.
- Engineering capstone projects and experiences.
- Experiential education and training focused on the systems engineer practitioner and workforce development.
- Integration of systems engineering across disciplines, and multidisciplinary systems.
- Integrating software and systems engineering in the classroom.
- K-12 systems engineering education and educational outreach.
- Project-based, problem-based and team-based systems education.
- Role of systems engineering education in preparing learners for solving complex issues.
- Strategies and lessons learned related to systems engineering curriculum development.
- Sustainable system design.
- Systems engineering assessment methods, competency development, and certification.
- Systems engineering of software-intensive systems including cloud-based systems.
- Trials and tribulations of teaching model-based systems engineering.
- Use of systems engineering modeling, simulation, methods, and tools in the classroom.
- Using the Graduate Reference Curriculum for Systems Engineering (bkcase.org/grcse).
- Using the Systems Engineering Body of Knowledge (sebowiki.org).
- Visions and roles for systems engineering education.

Submissions are welcome from any discipline that leverage systems engineering principles either to develop curriculum or as part of the curriculum. All paper submissions are publish-to-present. Submission may include classroom applications, exploratory topics, research reports, and works in progress. Abstracts shall be 250-350 words in length.

Paper submission is a two-step review process consisting of an abstract submission, review and potential acceptance, followed by a full manuscript submission, review and potential acceptance. Both the abstract and the final paper must be accepted to present at the conference and for inclusion in the conference proceedings. At least one author for each paper is expected to register for and present at the conference. Submission guidelines and deadlines, along with other pertinent information, are available at the ASEE 2015 Annual Conference website.

Proposals are welcomed for workshops and discussion panels. Presenters should directly contact Dr. Saleh Sbenaty, Systems Engineering Division Program Chair, at saleh.sbenaty@mtsu.edu